

1. A stable agricultural solids suspension readily dispersible in water, the suspension comprising:

- 5 a. agricultural solids consisting of at least one member selected from the group consisting of a fertilizer, an adjuvant, a herbicide and a pesticide, said agricultural solids having particles more than about 99 wt.% passable through a Tyler #48 sieve;
- b. a single non-ionic surfactant selected from the group consisting of alkyl-phenoxy-poly(ethylenoxide)alkanols, ethoxylated aliphatic C₁₁ to C₁₅ alcohols, ethylene oxide-propylene oxide block copolymers and ethoxylated fatty acids;
- 10 c. a water-soluble glycol liquid consisting of at least one member of the group consisting of ethylene glycol, and propylene glycol; and
- d. methylthio- α -hydroxybutyric acid.

10. A stable suspension of ammonium sulfate $((\text{NH}_4)_2\text{SO}_4)$ readily dispersible in water, the suspension comprising:

a. ammonium sulfate particles more than about 99 wt.% passable through a Tyler #48 sieve;

5 b. a single non-ionic surfactant selected from the group consisting of alkyl-phenoxy-poly(ethylenoxide)alkanols, ethoxylated aliphatic C_{11} to C_{15} alcohols, ethylene oxide-propylene oxide block copolymers and ethoxylated fatty acids;

c. a water-soluble glycol liquid consisting of at least one member of the group consisting of ethylene glycol, and propylene glycol; and

10 d. methylthio- α -hydroxybutyric acid.

Please add the following new claims:

21. A stable agricultural solids suspension readily dispersible in water comprising:
- a. agricultural solids consisting of at least one member selected from the group consisting of a fertilizer, an adjuvant, a herbicide and a pesticide, said agricultural solids having particles more than about 99 wt.% passable through a Tyler #48 sieve;
 - b. a single non-ionic surfactant selected from the group consisting of alkylphenoxy-poly(ethylenoxide)alkanols, ethoxylated aliphatic C₁₁ to C₁₅ alcohols, ethylene oxide-propylene oxide block copolymers and ethoxylated fatty acids;
 - c. a water-soluble glycol liquid consisting of at least one member of the group consisting of ethylene glycol, and propylene glycol; and
 - d. at least one member selected from the group consisting of diammonium phosphate ((NH₄)₂HPO₄) and the isopropylamine salt of N-(phosphonomethyl) glycine.
22. The agricultural solids suspension of Claim 21, wherein the concentration of the agricultural solids is between about 20 wt.% and 80 wt.%; the concentration of the glycol liquid is between about 20 wt.% and about 80 wt.%; and the concentration of the non-ionic surfactant is between about 1 wt.% and about 9 wt.%.

23. The agricultural solids suspension of Claim 21, wherein the concentration of the agricultural solids is between about 50 wt.% and about 70 wt.%; the concentration of the glycol liquid is between about 30 wt. % and about 50 wt.%; and the concentration of the non-ionic surfactant is between about 2.5 wt.% and 6.5 wt.%.
24. The agricultural solids suspension of Claim 21, wherein the agricultural solids consist of at least one member of the group consisting of ammonium sulfate $((\text{NH}_4)_2\text{SO}_4)$, diammonium phosphate $((\text{NH}_4)_2\text{HPO}_4)$ and the isopropylamine salt of N-(phosphonomethyl) glycine.
25. The agricultural solids suspension of Claim 21, wherein the molecular weight of the non-ionic surfactant is between about 300 and 1000.
26. The agricultural solids suspension of Claim 21, wherein the non-ionic surfactant is selected from the group consisting of dodecylphenoxy poly(ethylene oxide)_{9,5-11} ethanol, dodecylphenoxy poly(ethylene oxide)₉ ethanol, octylphenoxy poly(ethylene oxide)₇ ethanol, octylphenoxy poly(ethylene oxide)₅ ethanol, and nonylphenoxy poly(ethylene oxide)₄.
27. The agricultural solids suspension of Claim 21, wherein the non-ionic surfactant is selected from the group consisting of a C₁₂-C₁₄ secondary aliphatic alcohol (ethoxylate)₉, a C₁₂-C₁₄ secondary alcohol (ethoxylate)₁₂, undecanol (ethoxylate)₉ and oleyl (ethoxylate)₁₀.
28. The agricultural solids suspension of Claim 21, wherein the non-ionic surfactant is dodecylphenoxy poly(ethylene oxide)_{9,5-11} ethanol.

29. The agricultural solids suspension of Claim 21, wherein the glycol liquid is propylene glycol.

30. A stable suspension of ammonium sulfate $((\text{NH}_4)_2\text{SO}_4)$ readily dispersible in water, the suspension comprising:

a. ammonium sulfate particles more than about 99 wt.% passable through a Tyler #48 sieve;

b. a single non-ionic surfactant selected from the group consisting of alkylphenoxy-poly(ethylenoxide)alkanols, ethoxylated aliphatic C_{11} to C_{15} alcohols, ethylene oxide-propylene oxide block copolymers and ethoxylated fatty acids;

c. water-soluble glycol liquid consisting of at least one member of the group consisting of ethylene glycol, and propylene glycol; and

d. at least one member selected from the group consisting of diammonium phosphate $((\text{NH}_4)_2\text{HPO}_4)$ and the isopropylamine salt of N-(phosphonomethyl) glycine.

31. The ammonium sulfate suspension of Claim 30, wherein the concentration of the agricultural solids is between about 30 wt.% and 70 wt.%; the concentration of the glycol liquid is between about 30 wt.% and about 70 wt.%; and the concentration of the non-ionic surfactant is between about 1 wt.% and about 9 wt.%.

32. The ammonium sulfate suspension of Claim 30, wherein the concentration of the ammonium sulfate is between about 40 wt.% and 70 wt.%; the concentration of the glycol liquid is between about 30 wt.% and about 60 wt.%; and the concentration of the non-ionic surfactant is between about 1 wt.% and about 9 wt.%.
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33. The ammonium sulfate suspension of Claim 30, wherein the concentration of the ammonium sulfate is between about 50 wt.% and about 70 wt.%; the concentration of the glycol liquid is between about 30 wt. % and about 50 wt.%; and the concentration of the non-ionic surfactant is between about 2.5 wt.% and 6.5 wt.%.
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34. The ammonium sulfate suspension of Claim 30, wherein the non-ionic surfactant has a molecular weight between about 300 and about 1000.
35. The ammonium sulfate suspension of Claim 30, wherein the non-ionic surfactant is selected from the group consisting of dodecylphenoxy poly(ethylene oxide)_{9,5-11} ethanol, dodecylphenoxy poly(ethylene oxide)₉ ethanol, octylphenoxy poly(ethylene oxide)₇ ethanol, octylphenoxy poly(ethylene oxide)₅ ethanol, and nonylphenoxy poly(ethylene oxide)₄.
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36. The agricultural solids suspension of Claim 30, wherein the non-ionic surfactant is selected from the group consisting of a C₁₂-C₁₄ secondary aliphatic alcohol (ethoxylate)₉, a C₁₂-C₁₄ secondary alcohol (ethoxylate)₁₂, undecanol (ethoxylate)₉ and oleyl (ethoxylate)₁₀.

37. The ammonium sulfate suspension of Claim 30, wherein the non-ionic surfactant is dodecylphenoxy poly(ethylene oxide)_{9,5-11} ethanol.
38. The ammonium sulfate suspension of Claim 30, wherein the glycol liquid is propylene glycol.